

MINING APPLICATION
NO. _____

Date 8/8/77

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company SHELCO, INC.
2. Proposed type of operation URANIUM MINES
3. (a) Prior Land Use(s) MINING
(b) Current Land Use(s) GRAZING
(c) Possible or Prospective Future Land Use(s) ?
4. What vegetation exists on the land proposed to be affected VERY LITTLE -
SOME SAGE & SALT GRASS
(a) Types and Estimated Percent cover or density: APPROX. 20%
5. What is the pH range of soil before mining? ? pH
Name of Person or Agency and method of determining pH DIVISION OF OIL
GAS & MINING
6. Site elevation above sea level 5200' (+/-)
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) N/A
8. Estimated duration of mining operations 5 YEARS
9. Has overburden, waste or rejected materials been classified as acid or
alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics
affecting revegetation? UNKNOWN
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or
crossing the land affected? () Yes (X) No If yes, describe
the quality of water being discharged. _____

11. Describe specifically a detailed procedure for:

- (a) The mining sequence - UNDERGROUND RAMPING STOP
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades. ROAD NOW EXISTS.
- (c) The procedure for site preparation including removing trees and brush. FACE UP ROCK. THERE ARE NO TREES OR BRUSH.
- (d) The method for removing and stockpiling topsoil or disturbed materials. NONE TO BE DISTURBED.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials. FRONT-END LOADER + STOCKPILING.
- (f) A procedure for final stabilization of disturbed materials.
PACK MATERIAL TO THE EXTENT POSSIBLE. SURFACE DISTURBANCES,
GRADING AND REGRADING
DUMPS WILL BE RECLAIMED + SEEDING TO EXTENT POSSIBLE.

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. PLANTING WILL OCCUR ON DISTURBED AREAS.
- (c) What type of soil treatment will be utilized. SEE 2 BELOW.
- (d) The method of drainage control for the final regraded area. NAT. DRAINAGE.
- (e) Maximum grading slope. THREE TO ONE (APPROXIMATELY)

TESTING

1. Describe method for testing stability of reclamation fill material.

THIS WILL BE BASED ON EXPERIENCE WITH LOCAL MATERIALS.
Describe method for the testing of soil that is intended to support vegetation

STANDARD NUTRIENT TEST NPK

2. Describe any soil treatment employed as an aid to revegetation SOIL

FERTILIZER BASED ON NUTRIENT TESTS.

3. Describe surface preparation of areas intended to support vegetation:

SCARIFICATION PRIOR TO SEEDING, TO THE EXTENT AREAS ARE
ACCESSIBLE TO EQUIPMENT.

REVEGETATION

1. Revegetation to be completed by:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Operator | <input type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input checked="" type="checkbox"/> Conventional or Rangeland Drill |
| <input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> Broadcast and Drag |
| | <input type="checkbox"/> Other _____ |

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
STANDARD CRESTED WHEAT	4 #	ALL LOCATION	ALL	FALL
INTERMEDIATE WHEAT GRASS	2 #	" "	"	"
RUSSIAN WILDRYE	2 #	" "	"	"
YELLOW SWEET CLOVER	1 #	" "	"	"
BITTERBRUSH	2 #	" "	"	"
INDIAN RICE- GRASS	1 #	" "	"	"

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? NO

5. Will irrigation be used: () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

NOT NEEDED.

STATE OF UTAH

COUNTY OF SALT LAKE

I, DEAN W. ROWELL, having been duly sworn
depote and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: Dean Rowell

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 8th day of August, 19 77.

Notary Public: Lita Miller

My Commission Expires: March 19, 1980

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES _____ (Initial)

NO X _____ (Initial)

Sections desired to be maintained as confidential information -

